

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/551, 005  
Source: PCT  
Date Processed by STIC: 10/07/2005

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 10/07/2005

PATENT APPLICATION: US/10/551,005

TIME: 10:14:26

Input Set : A:\08321-125PC1.txt

Output Set: N:\CRF4\10072005\J551005.raw

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4 <110> APPLICANT: Thomas Jefferson University
5     San Antonio, James D.
6     Schick, Barbara P.
7     Verrecchio, Angela
9 <120> TITLE OF INVENTION: Heparin-Binding Peptides and Uses Thereof
11 <130> FILE REFERENCE: 08321-125PC1
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/551,005
C--> 13 <141> CURRENT FILING DATE: 2005-09-27
13 <150> PRIOR APPLICATION NUMBER: US 60/458,241
14 <151> PRIOR FILING DATE: 2003-03-28
16 <160> NUMBER OF SEQ ID NOS: 47
18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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21 <211> LENGTH: 40
22 <212> TYPE: PRT
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Fragment
28 <400> SEQUENCE: 1
29 Ala Arg Lys Lys Ala Ala Lys Ala Ala Arg Lys Lys Ala Ala Lys Ala
30 1           5           10           15
31 Ala Arg Lys Lys Ala Ala Lys Ala Ala Arg Lys Lys Ala Ala Lys Ala
32 20           25           30
33 Val Leu Val Leu Val Leu Val Leu
34 35           40
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 8
39 <212> TYPE: PRT
40 <213> ORGANISM: Artificial Sequence
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45 <400> SEQUENCE: 2
46 Val Leu Val Leu Val Leu Val Leu
47 1           5
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51 <211> LENGTH: 8
52 <212> TYPE: PRT
53 <213> ORGANISM: Artificial Sequence
55 <220> FEATURE:
56 <223> OTHER INFORMATION: Fragment
58 <400> SEQUENCE: 3
59 Ile Leu Ile Leu Ile Leu Ile Leu
60 1           5

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63 <210> SEQ ID NO: 4
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65 <212> TYPE: PRT
66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Fragment
71 <400> SEQUENCE: 4
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73 1 5
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 32
78 <212> TYPE: PRT
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Fragment
84 <400> SEQUENCE: 5
85 Ala Arg Lys Lys Ala Ala Lys Ala Ala Arg Lys Lys Ala Ala Lys Ala
86 1 5 10 15
87 Ala Arg Lys Lys Ala Ala Lys Ala Val Leu Val Leu Val Leu Val Leu
88 20 25 30
91 <210> SEQ ID NO: 6
92 <211> LENGTH: 36
93 <212> TYPE: PRT
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Fragment
99 <400> SEQUENCE: 6
100 Ala Lys Lys Ala Arg Ala Ala Lys Lys Ala Arg Ala Ala Lys Lys Ala
101 1 5 10 15
102 Arg Ala Ala Lys Lys Ala Arg Ala Ala Lys Lys Ala Arg Ala Val Leu
103 20 25 30
104 Val Leu Val Leu
105 35
108 <210> SEQ ID NO: 7
109 <211> LENGTH: 30
110 <212> TYPE: PRT
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Fragment
116 <400> SEQUENCE: 7
117 Ala Arg Lys Lys Ala Ala Lys Ala Ala Arg Lys Lys Ala Ala Lys Ala
118 1 5 10 15
119 Ala Arg Lys Lys Ala Ala Lys Ala Val Leu Val Leu Val Leu
120 20 25 30
123 <210> SEQ ID NO: 8
124 <211> LENGTH: 34
125 <212> TYPE: PRT
126 <213> ORGANISM: Artificial Sequence
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129 &lt;223&gt; OTHER INFORMATION: Fragment

131 &lt;400&gt; SEQUENCE: 8

132 Ala Arg Lys Lys Ala Ala Lys Ala Ala Arg Lys Lys Ala Ala Lys Ala

133 1 5 10 15

134 Ala Arg Lys Lys Ala Ala Lys Ala Val Leu Val Leu Val Leu Val Leu

135 20 25 30

136 Val Leu

140 &lt;210&gt; SEQ ID NO: 9

141 &lt;211&gt; LENGTH: 24

142 &lt;212&gt; TYPE: PRT

143 &lt;213&gt; ORGANISM: Artificial Sequence

145 &lt;220&gt; FEATURE:

146 &lt;223&gt; OTHER INFORMATION: Fragment

148 &lt;400&gt; SEQUENCE: 9

149 Ala Arg Lys Lys Ala Ala Lys Ala Ala Arg Lys Lys Ala Ala Lys Ala

150 1 5 10 15

151 Val Leu Val Leu Val Leu Val Leu

152 20

155 &lt;210&gt; SEQ ID NO: 10

156 &lt;211&gt; LENGTH: 16

157 &lt;212&gt; TYPE: PRT

158 &lt;213&gt; ORGANISM: Artificial Sequence

160 &lt;220&gt; FEATURE:

161 &lt;223&gt; OTHER INFORMATION: Fragment

163 &lt;400&gt; SEQUENCE: 10

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165 1 5 10 15

168 &lt;210&gt; SEQ ID NO: 11

169 &lt;211&gt; LENGTH: 32

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171 &lt;213&gt; ORGANISM: Artificial Sequence

173 &lt;220&gt; FEATURE:

174 &lt;223&gt; OTHER INFORMATION: Fragment

176 &lt;400&gt; SEQUENCE: 11

177 Ala Arg Lys Lys Ala Ala Lys Ala Val Leu Val Leu Val Leu Val Leu

178 1 5 10 15

179 Ala Arg Lys Lys Ala Ala Lys Ala Ala Arg Lys Lys Ala Ala Lys Ala

180 20 25 30

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184 &lt;211&gt; LENGTH: 32

185 &lt;212&gt; TYPE: PRT

186 &lt;213&gt; ORGANISM: Artificial Sequence

188 &lt;220&gt; FEATURE:

189 &lt;223&gt; OTHER INFORMATION: Fragment

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192 Ala Arg Lys Lys Ala Ala Lys Ala Ala Arg Lys Lys Ala Ala Lys Ala

193 1 5 10 15

194 Ala Arg Lys Lys Ala Ala Lys Ala Ile Leu Ile Leu Ile Leu Ile Leu

195 20 25 30

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Input Set : A:\08321-125PC1.txt

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210 20 25 30
213 <210> SEQ ID NO: 14
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215 <212> TYPE: PRT
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218 <220> FEATURE:
219 <223> OTHER INFORMATION: Fragment
221 <400> SEQUENCE: 14
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223 1 5 10 15
224 Lys Ala Ala Lys Ala Val Leu Val Leu
225 20 25
228 <210> SEQ ID NO: 15
229 <211> LENGTH: 25
230 <212> TYPE: PRT
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233 <220> FEATURE:
234 <223> OTHER INFORMATION: Fragment
236 <400> SEQUENCE: 15
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238 1 5 10 15
239 Ala Ala Ala Ala Ala Val Leu Val Leu
240 20 25
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244 <211> LENGTH: 26
245 <212> TYPE: PRT
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Fragment
251 <400> SEQUENCE: 16
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253 1 5 10 15
254 Lys Ala Ala Lys Ala Asp Val Leu Val Leu
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259 <211> LENGTH: 25
260 <212> TYPE: PRT
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:

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264 <223> OTHER INFORMATION: Fragment
266 <400> SEQUENCE: 17
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268 1 5 10 15
269 Ala Ala Ala Ala Asp Val Leu Val Leu
270 20 25
273 <210> SEQ ID NO: 18
274 <211> LENGTH: 21
275 <212> TYPE: PRT
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278 <220> FEATURE:
279 <223> OTHER INFORMATION: Fragment
281 <400> SEQUENCE: 18
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283 1 5 10 15
284 Ala Val Leu Val Leu
285 20
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289 <211> LENGTH: 21
290 <212> TYPE: PRT
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294 <223> OTHER INFORMATION: Fragment
296 <400> SEQUENCE: 19
297 Val Leu Val Leu Ala Lys Lys Ala Arg Ala Pro Ala Ala Ala Ala Ala
298 1 5 10 15
299 Ala Val Leu Val Leu
300 20
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304 <211> LENGTH: 22
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309 <223> OTHER INFORMATION: Fragment
311 <400> SEQUENCE: 20
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313 1 5 10 15
314 Ala Asp Val Leu Val Leu
315 20
318 <210> SEQ ID NO: 21
319 <211> LENGTH: 22
320 <212> TYPE: PRT
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Fragment
326 <400> SEQUENCE: 21
327 Val Leu Val Leu Ala Lys Lys Ala Arg Ala Pro Ala Ala Ala Ala Ala
328 1 5 10 15
329 Ala Asp Val Leu Val Leu

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/551,005

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Input Set : A:\08321-125PC1.txt

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L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date